

# StyliD

## ST740T LED27S/830 PSU WB BK

STYLID COMPACT G3 TRACK, LED Module, system flux 2700 lm, 830 warm white, Power supply unit, DC compatible for central emergency lighting, Wide beam, Black

Retailers are increasingly having to contend with rising energy prices. At the same time, they need to retain the quality of light they are used to, flexibility in architectural integration, and the right light effects to catch the customer's eye. Last but not least, they need future-proof solutions that will enable them to implement differentiating concepts in their store. Delivering high-quality light, punch in the beam and outstanding luminous efficacy, StyliD is the ideal energy-efficient solution for today's demanding retail environments, covering a variety of lighting applications, with including CrispWhite for fashion stores and Food recipes for supermarkets. StyliD family features full passive cooling for the complete range that allows faster payback in the Performance size as well.

### Product data

| General Information | |
|---|---|
| **Lamp family code** | LED27S [LED Module, system flux 2700 lm] |
| **Light source replaceable** | No |
| **Number of gear units** | 1 unit |
| **Driver included** | Yes |
| **Remarks** | *-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore, the median useful life (B50) value also represents the B10 value. |

| | |
|---|---|
| **Product family code** | ST740T [STYLID COMPACT G3 TRACK] |
| **Lighting Technology** | LED |
| **CE mark** | Yes |
| **Warranty period** | 5 years |
| **Flammability mark** | For mounting on normally flammable surfaces |
| **ENEC mark** | ENEC mark |
| **Glow-wire test** | Temperature 650 °C, duration 30 s |
| **EU RoHS compliant** | Yes |

| Light Technical | |
|---|---|
| **Luminous Flux** | 2,700 lm |
| **Correlated Color Temperature (Nom)** | 3000 K |

# StyliD

| | |
|---|---|
| **Luminous Efficacy (rated) (Nom)** | 120 lm/W |
| **Color rendering index (CRI)** | ≥80 |
| **Number of light sources** | 1 |
| **Beam angle of light source** | 120 degree(s) |
| **Light source color** | 830 warm white |
| **Optic type** | Wide beam |
| **Optical cover type** | - |
| **Luminaire light beam spread** | 34° |

## Operating and Electrical

| | |
|---|---|
| **Input Voltage** | 220 to 240 V |
| **Line Frequency** | 50 to 60 Hz |
| **Inrush current** | 14.5 A |
| **Inrush time** | 0.22 ms |
| **Power Consumption** | 22.5 W |
| **Power Factor (Fraction)** | 0.9 |
| **Connection** | Push-in connector and pull relief |
| **Cable** | - |
| **Number of products on MCB of 16 A type B** | 32 |

## Temperature

| | |
|---|---|
| **Ambient temperature range** | +10 to +40 °C |

## Controls and Dimming

| | |
|---|---|
| **Dimmable** | No |
| **Driver/power unit/transformer** | Power supply unit, DC compatible for central emergency lighting |
| **Constant light output** | No |

## Mechanical and Housing

| | |
|---|---|
| **Housing Material** | Metal–Plastic |
| **Reflector material** | Polycarbonate aluminum coated |
| **Optic material** | Polycarbonate |
| **Optical cover material** | Polymethyl methacrylate |
| **Fixation material** | - |
| **Housing Color** | Black |
| **Optical cover finish** | Clear |

| | |
|---|---|
| **Overall length** | 258 mm |
| **Overall width** | 89 mm |
| **Overall height** | 179 mm |
| **Dimensions (Height x Width x Depth)** | 179 x 89 x 258 mm |

## Approval and Application

| | |
|---|---|
| **Ingress protection code** | IP20 [Finger-protected] |
| **Mech. impact protection code** | IK02 [0.2 J standard] |
| **Protection class IEC** | Safety class II |

## Initial Performance (IEC Compliant)

| | |
|---|---|
| **Luminous flux tolerance** | +/-10% |
| **Initial chromaticity** | (0.43, 0.40) SDCM <3 |
| **Power consumption tolerance** | +/-10% |

## Over Time Performance (IEC Compliant)

| | |
|---|---|
| **Control gear failure rate at median useful life 50000 h** | 5 % |
| **Lumen maintenance at median useful life* 50000 h** | L80 |

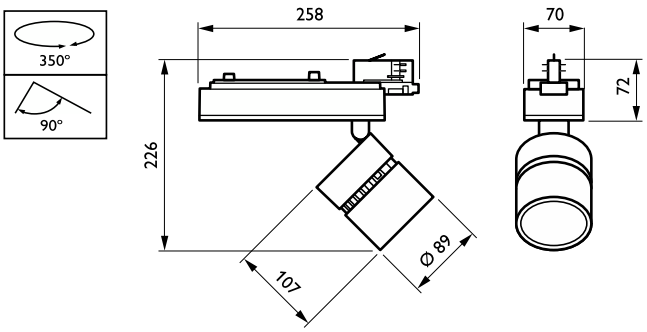
## Application Conditions

| | |
|---|---|
| **Performance ambient temperature Tq** | 25 °C |
| **Suitable for random switching** | Yes |

## Product Data

| | |
|---|---|
| **Order product name** | ST740T LED27S/830 PSU WB BK |
| **Full product name** | ST740T LED27S/830 PSU WB BK |
| **Full product code** | 871869684836400 |
| **Order code** | 910500457359 |
| **Material Nr. (12NC)** | 910500457359 |
| **Numerator - Quantity Per Pack** | 1 |
| **EAN/UPC - Product/Case** | 8718696848364 |
| **Numerator - Packs per outer box** | 1 |
| **EAN/UPC - Case** | 8718696848364 |

## Dimensional drawing






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www.lighting.philips.com
2023, September 4 - data subject to change